CHARACTERISTICS Inventor: Tay et al. Docket No.: 4249.9US

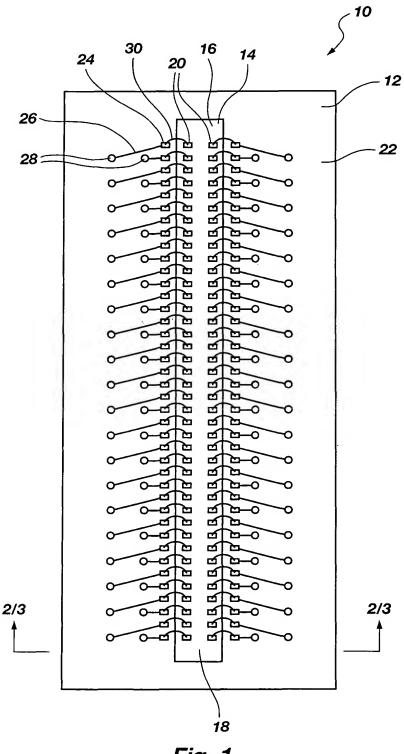


Fig. 1 (PRIOR ART)

## TITLE: METHOD FOR BALL GRID ARRAY CHIP PACKAGES HAVING IMPROVED TESTING AND STACKING CHARACTERISTICS

Inventor: Tay et al. Docket No.: 4249.9US

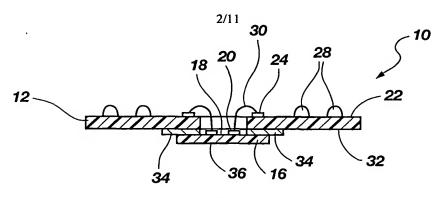


Fig. 2 (PRIOR ART)

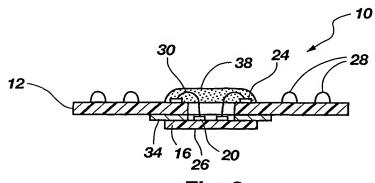


Fig. 3 (PRIOR ART)

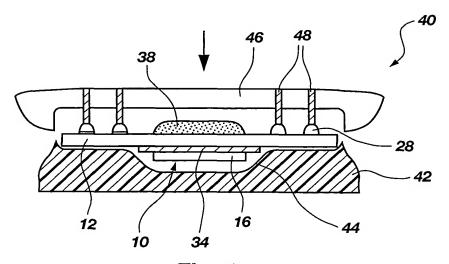


Fig. 4 (PRIOR ART)

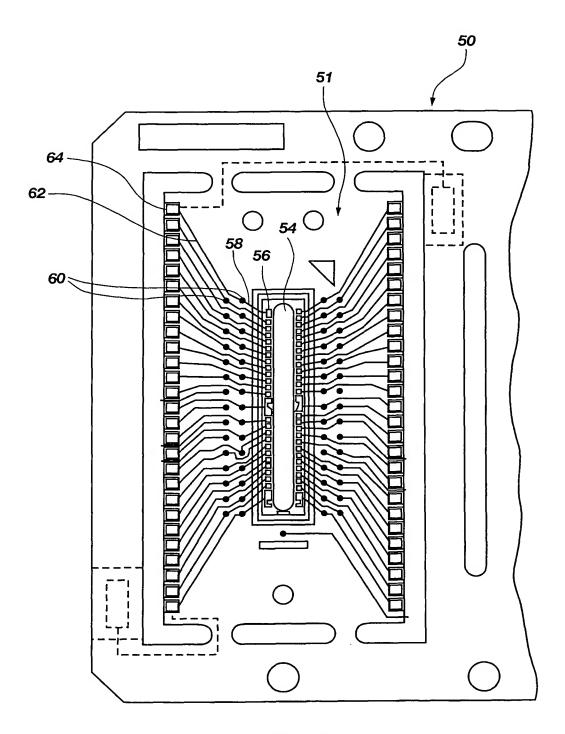


Fig. 5

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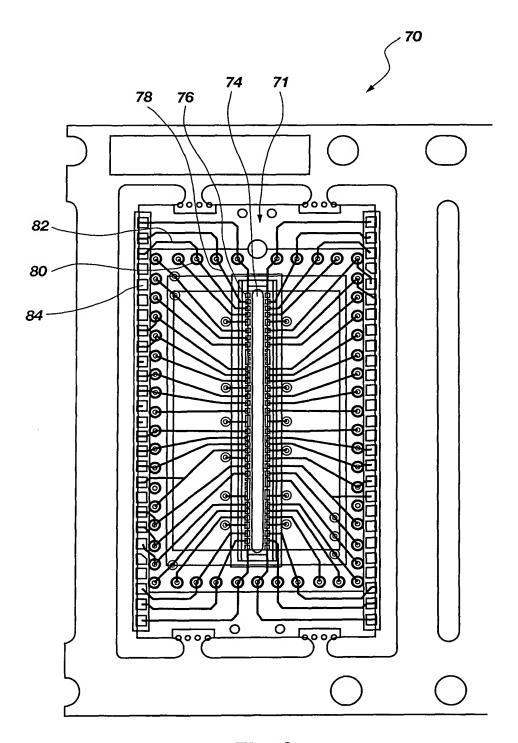
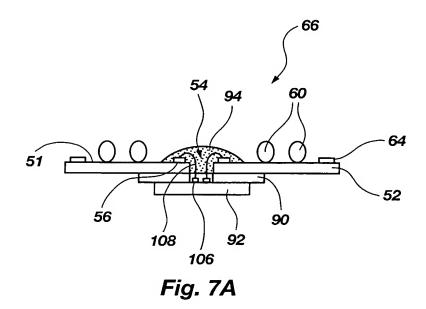


Fig. 6



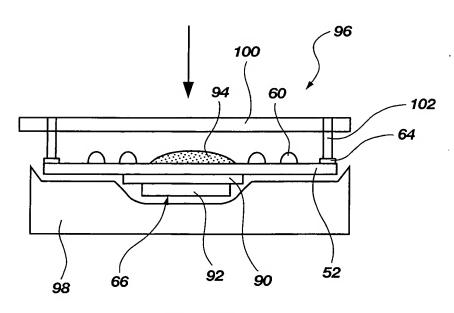
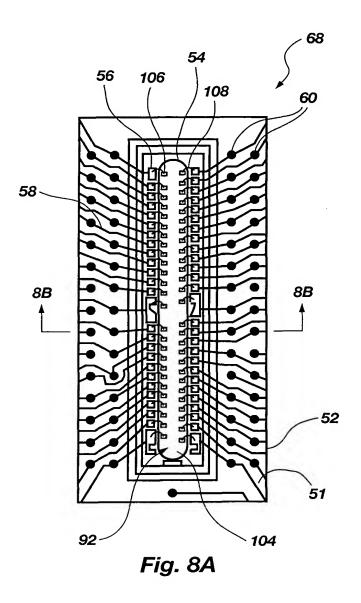


Fig. 7B



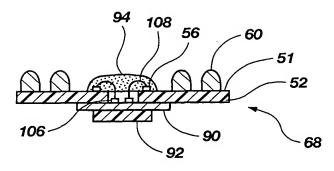


Fig. 8B

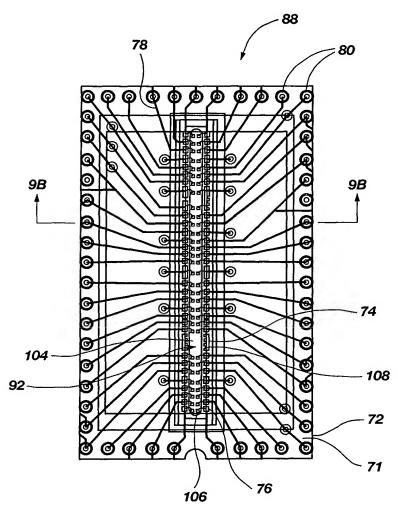


Fig. 9A

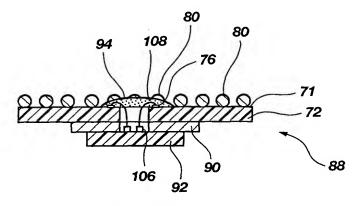
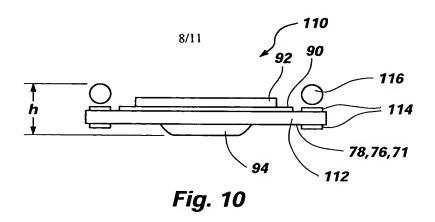
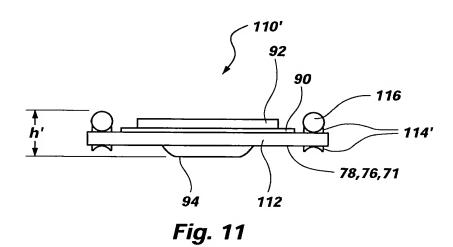


Fig. 9B

## TITLE: METHOD FOR BALL GRID ARRAY CHIP PACKAGES HAVING IMPROVED TESTING AND STACKING CHARACTERISTICS Inventor: Tay et al. Docket No.: 4249.9US





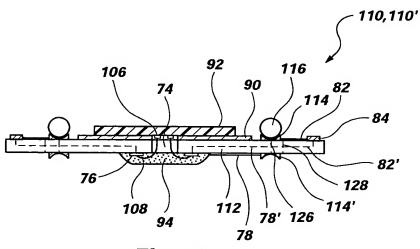
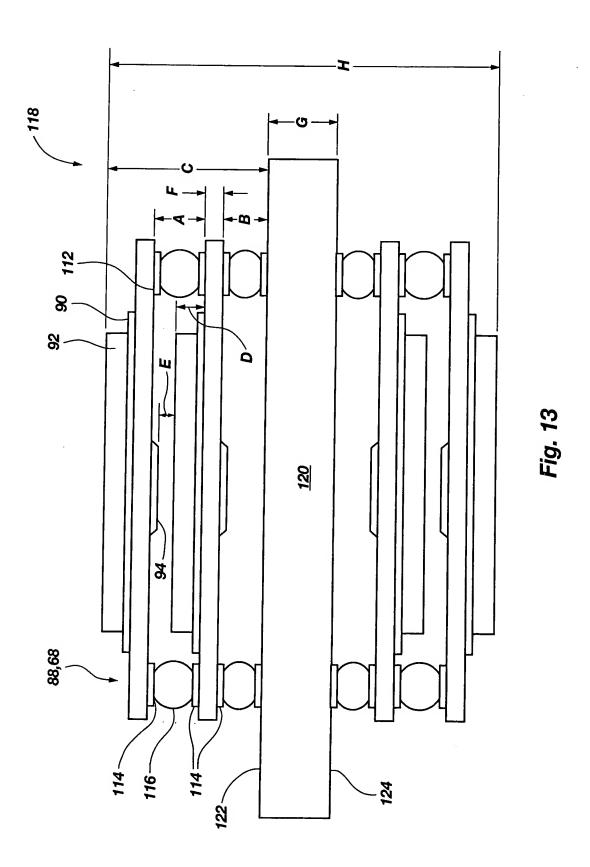
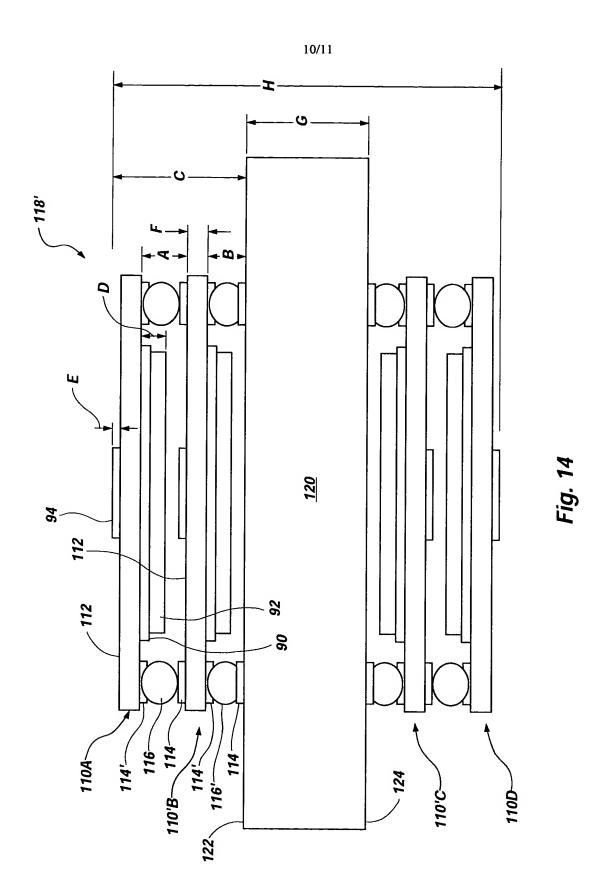


Fig. 12



## TITLE: METHOD FOR BALL GRID ARRAY CHIP PACKAGES HAVING IMPROVED TESTING AND STACKING CHARACTERISTICS Inventor: Tay et al. Docket No.: 4249.9US



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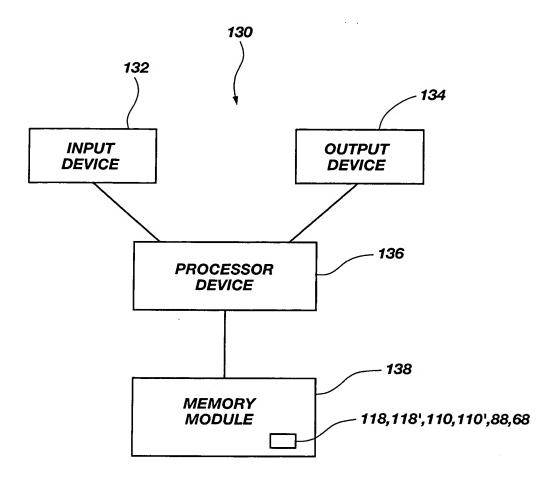


Fig. 15